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(54) LIQUID CRYSTAL STEREOSCOPIC DISPLAY DEVICE

(57) Abstract

PURPOSE: To make it possible to shorten an adequate viewing distance in spite of a fine pixel pitch, to make luminance uniform at the time of movement of visual points in a transverse direction and to decrease crosstalks by providing a light source device with color separating means for converging the light rays emitted by the device to the set of the very small emitted light rays of respective colors lining up in prescribed order.

CONSTITUTION: The front surface on the color liquid crystal panel 1 side of a back light 2 is provided with the color filters 3 in which three primary color filters; blue filters 3a, red filters 3b and green filters 3c line up in order reverse from order of the pixels 1a for blue, pixels 1b for red and pixels 1c for green of the color liquid crystal panel 1. Only the colors of the same colors to the color filters 3a to 3c of the color filters 3 among the light rays emitted from the back light 2 transmit the color filters and the other colors are absorbed. As a result, the light rays emitted from the back light 2 are made into the very small emitted light rays of the stripe form in which the respective colors, blue, red and green, line up in order reverse from order of the pixels 1a to 1c of the color liquid crystal panel 1 and are emitted from the color filters 3.

